D&D Subgroup Highlights
January 13, 1998

This meeting was held in the EESB Stampede Room.

Miscellaneous Updates

Jim Goodenough and Jerry White will be meeting with TDI personnel at INEEL soon to see when and/or if there will be a TDI call this year. The latest word on the timeframe for this year's call is March/April. Kim Koegler asked if the subgroup would be interested in holding, as part of next month's meeting, an information exchange on decontamination technologies being used at Hanford. This would be an overview of decontamination technologies being used on-site and would consist of a panel group of project managers/engineers presenting what they are doing with an informal discussion afterwards with the subgroup. The subgroup thought this was a great idea and Kim will pull this together for next month's meeting. C-Reactor has purchased two oxy-gasoline cutting torches from a small firm, Petrogen, for testing/demonstration. Robbin Duncan has expressed an interest in this technology also and is working with BHI to see if B&W could use one torch and BHI the other at C-Reactor. Petrogen is going to train Hanford personnel on the use of the torch in the near future.

Glove Box/Laser Cutter Update

A teleconference was held with DOE-Albuquerque to discuss their glove box decontamination project. The idea was also raised with them of using our laser cutter, after making it mobile, to disassemble the glove boxes. They have a total of 2400 cubic meters of equipment to decontaminate, plus 3000 cubic meters to be generated from glove boxes. They would like to set up an assembly line to characterize and decontaminate the glove boxes and equipment before crushing the waste down to the size of a puck. They plan to use high-pressure water for decontamination. They are also examining other innovative technologies. Robbin Duncan will be meeting them in Albuquerque soon to get more details. We may have someone on their IC team for this effort to keep track of what they are doing. Albuquerque has purchased a laser and plan to use robotics with it. Rick Gonzalez wants to know what the plans are to use the laser at Hanford. Gary McCormick will send the updated plan to the subgroup. Bob Julian said to go to industrial users, such as the steel industry, to see how laser cutters can be used.

Efficient Separations and Processing Program

Members from the cross-cutting focus area, Efficient Separations and Processing (ESP), gave a brief view graph presentation to the subgroup. They are at Hanford for a program review and are trying to meet with all the STCG subgroups to explain the ESP program and try to understand our needs. The ESP program started by meeting the Tanks Focus Area needs, but they now have product lines along all the EM-50 focus areas, including D&D. They looked at all the D&D technology needs we submitted and have identified six they thought they could help with. Some of the potential TTPs that could meet these six needs were then discussed. The ESP program has no new research starts this year and its budget was cut from $13 million in FY97 to $5 million this

FY. Though it is slated to drop to $4 million in FY99, they may have $1 million in new starts. A copy of the presentation, including brief descriptions of TTPs germane to D&D work, will be sent to all subgroup members for review. An example of two TTPs are the Cs ion exchange work being done by PNNL and the polymer filtration technology being developed at LANL. The latter work is to remove RCRA and Pu metals from waste and process waters. The members of the ESP program stated they would contact the POCs listed on our needs statements to investigate potential matches with their on-going work.

STREAM Demonstration Presentation

Shannon Saget discussed a presentation to be given by BHI at the January STCG Management Council meeting. The topic is the STREAM technology that has been demonstrated at C-Reactor. STREAM was used to characterize and manage the D&D effort at C-Reactor. It is already being set up at F-Reactor. Shannon mentioned some of the uses of the STREAM technology, including: a pre-job walkthrough for workers to reduce rad exposure; can overlay a cad drawing on the actual picture of the room or area; helps to integrate an entire project from start to finish; can produce forms and keep track of wastes on-site; and can keep track of hours worked per task. A copy of this presentation will be sent to all subgroup members. The contact at Delphinus Engineering Incorporated is Dave Shaffer at (610)521-1196 or delphenghq@aol.com.

D&D Information Exchange

FDH has a set of FY97 Technology Deployment and Demonstration Fact Sheets that are now cleared for release. Copies of those deployments/demonstrations that are applicable to D&D will be sent to all subgroup members. Sue Garrett reviewed three documents released by EM-40. These will be available soon on the internet. Examples of each of these documents were distributed. The Decommissioning Requirements Definition document and the Decommissioning Preferred Alternatives Matrix (PAM) document were done first and were used as input to the Decommissioning Benchmarking Study. There is a lot of data on D&D technology costs and performance contained in these three reports. The PAM for example contains Consumer Reports-style rankings of available technologies by problem/environmental condition. The subgroup members were urged to check out these reports.

D&D Subgroup Attendees - 1/13/98

Gary Ballew	PREC	946-0611
Ron Borisch	BWHC	372-3382
Sue Garrett	PNNL	372-4266
Rick Gonzalez	DOE	373-9922
Wayne Green	FDH	372-6533
Bob Julian	Ecology	736-5702
Kim Koegler	BHI	372-9294
Wayne Martin	PNNL	372-4887
Gerry McCormick	BWHC	372-8173
Shannon Saget	DOE	372-4029
Steve Weakley	PNNL	372-4275
Detlev Wegener	FDH	373-2021